

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>58</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0563_01_s_2012_58				
Comment Code					
Inspector Comment					
The LMA has a copy of the O&M Manual.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>101</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0563_01_s_2013_101				
Comment Code					
Inspector Comment					
The LMA maintains an adequate stockpile of flood fight supplies.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>102</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0563_01_s_2013_102				
Comment Code					
Inspector Comment					
The LMA has received flood fight training within the last two years.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	0.01	Rating **	M	Issue No.	130
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.235059°	38.235059°
				-121.517480°	-121.517480°
DWR ID	DWR_RD0563_01_f_2016_130				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.04	Rating **	M	Issue No.	77
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.234861°	38.234133°
				-121.517934°	-121.518758°
DWR ID	DWR_RD0563_01_f_2018_77				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 12.0 L					
Status: Eroding New					
2017 Field Notes: Toe erosion throughout site, slumping, subvertical levee slope in sections.					
Site History:					

No Photos

LM Start	0.06	Rating **	M	Issue No.	131
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.234538°	38.234538°
				-121.518012°	-121.518012°
DWR ID	DWR_RD0563_01_f_2018_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	0.40	Rating **	M	Issue No.	114
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.230744 °	38.230744 °
				-121.522022 °	-121.522022 °
DWR ID	DWR_RD0563_01_f_2017_114				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_114\_20180925\_00074.jpg



Looking southwest at the waterside slope.

LM Start	0.44	Rating **	M	Issue No.	7
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.230357 °	38.230357 °
				-121.522485 °	-121.522485 °
DWR ID	DWR_RD0563_01_f_2018_7				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.45	Rating **	A/W	Issue No.	72
LM End	0.70	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.230326 °	38.227692 °
				-121.522886 °	-121.526096 °
DWR ID	DWR_RD0563_01_f_2018_72				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 11.4 L					
Status: Critical					
2017 Field Notes: New erosion site, upgraded to critical. Subvertical face from levee hinge, large erosion pockets, and toe erosion throughout.					
Site History:					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	0.56	Rating **	M	Issue No.	143 (cont)	
LM End	0.56	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.228930 °	38.228930 °	
				-121.523935 °	-121.523935 °	
DWR ID	DWR_RD0563_01_f_2014_143					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Slope damage due to vehicle traffic.						

Photo 2 of 2 : FA\_2018\_RD0563\_210\_143\_20180925\_00101.jpg



Looking northwest at slope damage on waterward slope.

LM Start	0.63	Rating **	M	Issue No.	133
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.228272 °	38.228272 °
				-121.524900 °	-121.524900 °
DWR ID	DWR_RD0563_01_f_2018_133				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation on the waterside slope.					

No Photos

LM Start	0.70	Rating **	C	Issue No.	108
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227663 °	38.226338 °
				-121.525743 °	-121.525927 °
DWR ID	DWR_RD0563_01_s_2018_108				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	0.92	Rating **	M	Issue No.	70
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.225660 °	38.227157 °
				-121.527556 °	-121.530432 °
DWR ID	DWR_RD0563_01_f _ 2018_70				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 11.0 L					
Status: Eroding					
2017 Field Notes: Increased toe erosion, slumping, boat wake erosion, and revetment failure near downstream end. Site extended upstream.					
Site History: 2011 - Short sections of eroding bank at the waterline and holes in toe of levee. 2012 - Site extended upstream. 2013 - Erosion pockets filled with an insufficient amounts of revetment. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_70\_20181023\_00227.jpg



USACE 2013 Photo #1

LM Start	0.92	Rating **	A/W	Issue No.	755
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225549 °	38.225549 °
				-121.527658 °	-121.527658 °
DWR ID	DWR_RD0563_01_s_2015_755				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	0.95	Rating **	U	Issue No.	121
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.225808 °	38.225808 °
				-121.528197 °	-121.528197 °
DWR ID	DWR_RD0563_01_s_2017_121				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes on landward slope.					

Photo 1 of 2 : FA\_2018\_RD0563\_210\_121\_20180925\_00080.jpg



Looking at typical rodent hole within this reach.

LM Start	<b>0.95</b>	Rating **	U	Issue No.	<b>121 (cont)</b>
LM End	<b>0.95</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2018\_RD0563\_210\_121\_20180925\_00081.jpg



3/30/2018: Rodent burrows on landside.

LM Start	0.98	Rating **	C	Issue No.	756
LM End	0.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226011 °	38.226011 °
				-121.528524 °	-121.528524 °
DWR ID	DWR_RD0563_01_s_2015_756				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	0.99	Rating **	M	Issue No.	147
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.226138 °	38.226138 °
				-121.528745 °	-121.528745 °
DWR ID	DWR_RD0563_01_f_2014_147				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.01	Rating **	C	Issue No.	757
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226294 °	38.226294 °
				-121.529055 °	-121.529055 °
DWR ID	DWR_RD0563_01_s_2015_757				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.03	Rating **	U	Issue No.	110	
LM End	1.03	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.226422 °	38.226422 °	
				-121.529410 °	-121.529410 °	
DWR ID	DWR_RD0563_01_s_2018_110					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Very large rodent burrow has caused landside shoulder to collapse. Shoulder should be restored.						

Photo 1 of 1 : FA\_2018\_RD0563\_210\_110\_20180925\_00072.jpg



3/30/2018: Very large rodent burrow causing caving at landside shoulder.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	1.09	Rating **	A/W	Issue No.	758
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226892°	38.227053°
				-121.530234°	-121.530632°
DWR ID	DWR_RD0563_01_s_2015_758				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.15	Rating **	U	Issue No.	153
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.226910 °	38.226910 °
				-121.531294 °	-121.531294 °
DWR ID	DWR_RD0563_01_f_2015_153				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several large to medium rodent holes noted.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_153\_20180925\_00107.jpg



Looking at typical view of several rodent holes on landward slope.

LM Start	1.15	Rating **	M	Issue No.	135
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226885 °	38.226885 °
				-121.531282 °	-121.531282 °
DWR ID	DWR_RD0563_01_f_2018_135				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	1.20	Rating **	M	Issue No.	69
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.226635 °	38.222157 °
				-121.532167 °	-121.543591 °
DWR ID	DWR_RD0563_01_f_2018_69				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 10.2 L					
Status: Eroding New					
2017 Field Notes: Evidence of meander process, eroding to short vertical face					
Site History:					

No Photos

LM Start	1.32	Rating **	C	Issue No.	79
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225177°	38.225177°
				-121.533285°	-121.533285°
DWR ID	DWR_RD0563_01_f_2013_79				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.39	Rating **	M	Issue No.	5
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224398 °	38.224398 °
				-121.534125 °	-121.534125 °
DWR ID	DWR_RD0563_01_s_2018_5				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	1.42	Rating **	M	Issue No.	759
LM End	1.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.224150 °	38.224150 °
				-121.534565 °	-121.534565 °
DWR ID	DWR_RD0563_01_s_2015_759				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_759\_20180925\_00114.jpg



Looking northwest at untrimmed trees on waterward slope and toe.

LM Start	1.60	Rating **	M	Issue No.	56
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.223303 °	38.223303 °
				-121.537722 °	-121.537722 °
DWR ID	DWR_RD0563_01_s_2012_56				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

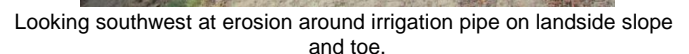
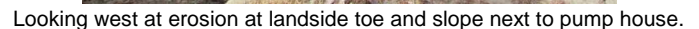
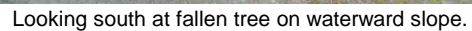
No Photos

LM Start	1.68	Rating **	M	Issue No.	115
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.223098 °	38.223098 °
				-121.539130 °	-121.539130 °
DWR ID	DWR_RD0563_01_f_2017_115				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	1.98	Rating **	M	Issue No.	66
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.221405 °	38.217972 °
				-121.543627 °	-121.542861 °
DWR ID	DWR_RD0563_01_f_2018_66				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 10.0 L					
Status: Eroding New					
2017 Field Notes: Revetment failure , toe erosion moving landward.					
Site History:					

No Photos

LM Start	2.08	Rating **	A/W	Issue No.	14
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.220028 °	38.218494 °
				-121.542922 °	-121.542646 °
DWR ID	DWR_RD0563_01_s_2012_14				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.24	Rating **	M	Issue No.	127
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.217680 °	38.217003 °
				-121.542761 °	-121.542309 °
DWR ID	DWR_RD0563_01_f_2018_127				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 9.8 L					
Status: Eroding New					
2017 Field Notes: Whole bank failure , eroded to subvertical face, and giant animal holes.					
Site History:					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	2.25	Rating **	A/W	Issue No.	116
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.217588 °	38.217588 °
				-121.542520 °	-121.542520 °
DWR ID	DWR_RD0563_01_s_2017_116				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
LMA found the erosion while on patrol during the February Storm 2017.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_116\_20180925\_00075.jpg



Looking east at the landside toe erosion.

LM Start	2.40	Rating **	U	Issue No.	12
LM End	2.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.216122 °	38.216047 °
				-121.540555 °	-121.540415 °
DWR ID	DWR_RD0563_01_s_2012_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense elderberry on waterside shoulder and slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	2.47	Rating **	M	Issue No.	107
LM End	3.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.215405 °	38.208046 °
				-121.539764 °	-121.540759 °
DWR ID	DWR_RD0563_01_f_2018_107				
Comment Code					

**Comment Code**

**Inspector Comment**

2017 Site ID: GEO 9.3 L  
Status: Critical  
2017 Field Notes: Upgraded to critical. Pockets of erosion - subvertical. Areas of failed revetment, old rock is unraveling, and eminent tree popout outs expected.  
Site History: 1997 - Loss of rock at toe; pockets of upper berm erosion; very narrow berm width; toe rock problem; erosion pockets in rock. 2002 - New brush boxes at toe of the worst spots. 2005 - Upstream 200 ft removed because of the wide berm. 2006 - Some rock repair pockets behind the brush boxes at the upstream end. 2010 - Some new erosion. 2013 - New rock placed on the levee slope. 2016 - Fresh erosion along the toe.

Photo 1 of 1 : FA\_2018\_RD0563\_210\_107\_20181023\_00236.jpg



USACE 2013 Photo #1

LM Start	2.50	Rating **	M	Issue No.	139
LM End	2.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215280 °	38.215280 °
				-121.539032 °	-121.539032 °
DWR ID	DWR_RD0563_01 f _ 2018_139				

**Comment Code**

V1 : Control annual grass and weeds on the levee slopes and easements.

**Inspector Comment**

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	2.67	Rating **	M	Issue No.	140
LM End	2.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.213493°	38.213493°
				-121.537090°	-121.537090°
DWR ID	DWR_RD0563_01_f_2018_140				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.70	Rating **	M	Issue No.	162
LM End	2.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.213096 °	38.213096 °
				-121.536738 °	-121.536738 °
DWR ID	DWR_RD0563_01_s_2016_162				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed tree on waterside shoulder.					

No Photos

LM Start	2.93	Rating **	A/W	Issue No.	67
LM End	2.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210472 °	38.210358 °
				-121.535175 °	-121.535478 °
DWR ID	DWR_RD0563_01_s_2012_67				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dead Vines (Berry or wildroses) on landside toe.					

Photo 1 of 2 : FA\_2018\_RD0563\_210\_67\_20180925\_00024.jpg



Looking east at dead berryvines at landward toe. (Spring 2017)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 0563 Tyler Island



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	3.02	Rating **	M	Issue No.	74 (cont)	
LM End	3.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.210212 °	38.209165 °	
				-121.536728 °	-121.539920 °	
DWR ID	DWR_RD0563_01_s_2012_74					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Dead berryvines and dense vegetation at landside toe blocking view of toe.						

Photo 3 of 5 : FA\_2018\_RD0563\_210\_74\_20180925\_00035.jpg



Looking south at dense vegetation (willows) at landward toe. (Spring 2016)

LM Start	<b>3.02</b>	Rating **	M	Issue No.	<b>74 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 5 : FA\_2018\_RD0563\_210\_74\_20180925\_00036.jpg



Looking southeast at dense berryvines at landward toe. (Spring 2015)

LM Start	<b>3.02</b>	Rating **	M	Issue No.	<b>74 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	LS

Photo 5 of 5 : FA\_2018\_RD0563\_210\_74\_20180925\_00037.jpg



Looking south at dense vegetation at landward slope and toe. (Spring 2015)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	3.06	Rating **	U	Issue No.	78
LM End	3.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.210240 °	38.210240 °
				-121.537517 °	-121.537517 °
DWR ID	DWR_RD0563_01_s_2012_78				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope damage on landside shoulder and slope has been in place for several inspection cycles. Proper drainage should be provided to prevent further erosion, and erosion should be repaired.					

Photo 1 of 5 : FA\_2018\_RD0563\_210\_78\_20180925\_00043.jpg



Looking southwest at the landside slope.

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : FA\_2018\_RD0563\_210\_78\_20180925\_00044.jpg



Looking north at rain runoff erosion on landward slope. (Spring 2017)

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 5 : FA\_2018\_RD0563\_210\_78\_20180925\_00045.jpg



Looking west at rain runoff erosion on landward slope. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	3.06	Rating **	U	Issue No.	78 (cont)	
LM End	3.06	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.210240 °		38.210240 °
				-121.537517 °		-121.537517 °
DWR ID	DWR_RD0563_01_s_2012_78					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Slope damage on landside shoulder and slope has been in place for several inspection cycles. Proper drainage should be provided to prevent further erosion, and erosion should be repaired.						

Photo 4 of 5 : FA\_2018\_RD0563\_210\_78\_20180925\_00046.jpg



Looking east at slope erosion. (Updated Spring 2012)

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	LS

Photo 5 of 5 : FA\_2018\_RD0563\_210\_78\_20180925\_00047.jpg



Looking west at slope erosion cause by runoff on landside slope.

LM Start	3.11	Rating **	U	Issue No.	112
LM End	3.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210018 °	38.209495 °
				-121.538353 °	-121.539515 °
DWR ID	DWR_RD0563_01_s_2018_112				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Dense woody vegetation (up to 6" in diameter) along lower slope and toe prevents inspection and access. Needs to be removed.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_112\_20180925\_00073.jpg



Very dense woody vegetation preventing inspection and access to landside toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	3.21	Rating **	U	Issue No.	68
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.209217 °	38.209217 °
				-121.539823 °	-121.539823 °
DWR ID	DWR_RD0563_01_s_2012_68				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : FA\_2018\_RD0563\_210\_68\_20180925\_00026.jpg



Looking south at dense trees on landward slope.

LM Start	<b>3.21</b>	Rating **	U	Issue No.	<b>68 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2018\_RD0563\_210\_68\_20180925\_00027.jpg



Looking southeast at dense trees on landside slope and toe.

LM Start	3.26	Rating **	M	Issue No.	764
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.208593 °	38.208593 °
				-121.540332 °	-121.540332 °
DWR ID	DWR_RD0563_01_s_2015_764				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	3.42	Rating **	M	Issue No.	94
LM End	4.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.206346 °	38.199925 °
				-121.540819 °	-121.544249 °
DWR ID	DWR_RD0563_01_f _ 2018_94				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 8.3 L					
Status: Eroding					
2017 Field Notes: New rock on levee in sections, failure of old rock in other sections, site extended upstream to account for new erosion pocket.					
Site History: 1997 - Narrow eroding berm upstream of existing rock.					
2001 - Staked, low fascine walls at bankline. 2011 - Minor new erosion. Site extended downstream. 2012 - Rock repair failing in one erosion pocket. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_94\_20181023\_00235.jpg



USACE 2013 Photo #1

LM Start	4.26	Rating **	M	Issue No.	141
LM End	4.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.196777°	38.196308°
				-121.546322°	-121.546578°
DWR ID	DWR_RD0563_01_f_2018_141				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	4.42	Rating **	M	Issue No.	144
LM End	4.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.194957°	38.194957°
				-121.548055°	-121.548055°
DWR ID	DWR_RD0563_01_f_2018_144				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.52	Rating **	M	Issue No.	146
LM End	4.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.194090°	38.194090°
				-121.549568°	-121.549568°
DWR ID	DWR_RD0563_01_f_2018_146				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_146\_20181012\_00225.jpg



View of arundo on waterside slope (October 2018).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	4.98	Rating **	M	Issue No.	92
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.190073 °	38.189524 °
				-121.556307 °	-121.557227 °
DWR ID	DWR_RD0563_01_f_2018_92				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 7.2 L Status: Eroding 2017 Field Notes: New erosion at toe. Site History: 2009 - Small scallops of erosion into the levee toe behind brush boxes. 2011 - Minor new erosion. 2012 - Site extended upstream to account for addition erosion pockets. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_92\_20181023\_00234.jpg



USACE 2013 Photo #1

LM Start	5.39	Rating **	U	Issue No.	91
LM End	5.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.186013 °	38.185968 °
				-121.561512 °	-121.561667 °
DWR ID	DWR_RD0563_01_f _ 2018_91				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 6.3 L					
Status: Critical					
2018: Do not see evidence of vertical face erosion from levee hinge. I do not see how this could be rated critical (Djulian).					
2017 Field Notes: Upgraded to CRITICAL. Combined with 6.8. Vertical sections from mid slope to toe, vertical face from levee hinge at some locations. Wave/tide erosion at toe, evidence of beavers.					
Site History: 1997 - Deep pockets of erosion and narrow berm. Reach is characterized by lots of pockets into the existing berm and/or levee slope. 1999 - Some pockets filled with rock riprap. 2000 - Exposed fabric. 2001 - Staked, low fascine walls at bankline. 2002 - New spot of rock at upstream end. Some new brush boxes. 2005 - Some stone sliding off the underlying geotextile fabric. Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2009 - Minimal new erosion, site length extended. 2010 - New erosion on downstream end, site extended downstream. 2011 - Sites 6.1. 6.4 and 6.6 were combined. New erosion pockets, site extended to include the erosion in between the old sites. 2012 - Rock has been placed in portions of the bank since last year. 2016 - Site 5.8 was merged with this site due to new erosion connecting the sites.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_91\_20181023\_00233.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	5.40	Rating **	C	Issue No.	24
LM End	5.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.185772 °	38.185595 °
				-121.561613 °	-121.562228 °
DWR ID	DWR_RD0563_01_s_2013_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.88	Rating **	A/W	Issue No.	126
LM End	5.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.182302 °	38.182302 °
				-121.569232 °	-121.569232 °
DWR ID	DWR_RD0563_01_s_2017_126				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings stock pile on waterside slope and berm.					

No Photos

LM Start	5.92	Rating **	U	Issue No.	22
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.181965 °	38.181763 °
				-121.569913 °	-121.570447 °
DWR ID	DWR_RD0563_01_s_2012_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Large cactus on landside slope.					

Photo 1 of 2 : FA\_2018\_RD0563\_210\_22\_20180925\_00010.jpg



Large cactus plant on landward slope from LM 6.04 to 6.08

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	5.92	Rating **	U	Issue No.	22 (cont)
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.181965 °	38.181763 °
				-121.569913 °	-121.570447 °
DWR ID	DWR_RD0563_01_s_2012_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Large cactus on landside slope.					

Photo 2 of 2 : FA\_2018\_RD0563\_210\_22\_20180925\_00011.jpg



Looking downstream at dense cactus on landward slope. (Fall 2016)

LM Start	6.00	Rating **	M	Issue No.	35
LM End	6.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.181512 °	38.181512 °
				-121.571298 °	-121.571298 °
DWR ID	DWR_RD0563_01_s_2012_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.38	Rating **	M	Issue No.	129
LM End	6.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.180462 °	38.179319 °
				-121.577895 °	-121.578566 °
DWR ID	DWR_RD0563_01_f_2018_129				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 5.8 L					
Status: Eroding					
2017 Field Notes: Last observed in 2013.					
Site History: 2013 - Erosion pockets into the levee prism. Erosion pockets primarily located behind unmaintained brush boxes.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_129\_20181023\_00237.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	6.59	Rating **	U	Issue No.	164
LM End	6.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.177438 °	38.176647 °
				-121.579151 °	-121.579560 °
DWR ID	DWR_RD0563_01_s_2016_164				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation (dead berry vines) at landside toe should be removed.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_164\_20180925\_00110.jpg



Looking east at dense vegetation (vines) at landward toe.

LM Start	6.61	Rating **	M	Issue No.	89
LM End	7.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.177202 °	38.167959 °
				-121.579439 °	-121.581616 °
DWR ID	DWR_RD0563_01_f_2018_89				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 5.3 L					
Status: Eroding					
2017 Field Notes: Site extended upstream, increased toe erosion from boat wake/tide action, RD has placed rock on levee slope in places.					
Site History: 1997 - Pocket erosion into the toe of the levee. 2000 - Scallops in banks with small colored flags, biotech rolls present. 2001 - Staked, low fascine walls at bankline. 2003 - Still have visibly bad spots, especially at the upstream end. 2005 - Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2010 - Site extended upstream. 2011 - Minor new erosion. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_89\_20181023\_00232.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	6.64	Rating **	M	Issue No.	766
LM End	6.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.176820 °	38.176820 °
				-121.579444 °	-121.579444 °
DWR ID	DWR_RD0563_01_s_2015_766				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.74	Rating **	U	Issue No.	93
LM End	6.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.175352 °	38.175352 °
				-121.580177 °	-121.580177 °
DWR ID	DWR_RD0563_01_s_2018_93				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large fallen tree should be removed from waterside slope and shoulder.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_93\_20180925\_00058.jpg



Remove fallen tree from levee slope.

LM Start	6.84	Rating **	M	Issue No.	113
LM End	6.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.173985 °	38.173985 °
				-121.579847 °	-121.579847 °
DWR ID	DWR_RD0563_01_s_2018_113				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	7.36	Rating **	C	Issue No.	117
LM End	7.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.166856 °	38.166856 °
				-121.582091 °	-121.582091 °
DWR ID	DWR_RD0563_01_f_2017_117				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	7.53	Rating **	U	Issue No.	85
LM End	7.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.164462 °	38.160888 °
				-121.583092 °	-121.584807 °
DWR ID	DWR_RD0563_01_f_2018_85				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 4.5 L					
Status: Critical					
2018: Erosion happening at berm, 15 to 20' from the levee hinge point from the berm in some places, erosion into levee toe at other spots (Djulian).					
2017 Field Notes: Numerous areas of bank erosion, with vertical sections up to the levee hinge.					
Site History: 1997 - Pocket erosion at upstream end and into the levee toe under the Alder trees. 2003 - New brush boxes with wattles on bank. 2004 - No brush boxes. 2005 - Site extended from the downstream side of the bridge. Whole bank is vertical. 2010 - Some minor new erosion. 2011 - Site upgraded to CRITICAL. New erosion pockets throughout the site. Sites 4.5, and 4.6 were combined. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_85\_20181023\_00231.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0563 Tyler Island

Looking east at slope erosion on landward shoulder and slope.

Looking southeast at dense trees on landward slope and toe.

Looking southeast at dense vegetation at landward toe. (Spring 2015)

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	7.80	Rating **	U	Issue No.	90 (cont)	
LM End	7.94	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.160800 °		38.158922 °
				-121.584598 °		-121.585433 °
DWR ID	DWR_RD0563_01_s_2012_90					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Berryvines and willows on landside toe.						

Photo 2 of 3 : FA\_2018\_RD0563\_210\_90\_20180925\_00054.jpg



Looking northeast at dense vegetation on landside toe.

LM Start	<b>7.80</b>	Rating **	U	Issue No.	<b>90 (cont)</b>
LM End	<b>7.94</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA\_2018\_RD0563\_210\_90\_20180925\_00055.jpg



Looking south at dense vegetation on landside toe. (2012 Fall Inspection)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	7.85	Rating **	M	Issue No.	84
LM End	8.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.160261 °	38.157625 °
				-121.585056 °	-121.586543 °
DWR ID	DWR_RD0563_01_f _ 2018_84				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 4.3 L					
Status: Eroding					
2017 Field Notes: The worst sections have been filled with quarry stone , but still areas of concern.					
Site History: 1997 - Pockets of erosion into the levee toe. 1999 - Minor rock riprap and willow bundles place in a couple of spots. 2001 - Staked, low fascine walls at bankline. 2003 - Small unprotected pockets still eroding. 2004 - Numerous brush boxes, some falling apart, some with new bundles. 2005 - Some new brush boxes installed; some boxes are empty. Levee slope and banks still look bad with pocket scallops into the levee slopes. 2011 - Erosion continues and the number of pockets is increasing. 2013 - Some of the downstream end was repaired by the RD. 2016 - Fresh erosion observed.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_84\_20181023\_00230.jpg



USACE 2013 Photo #1

LM Start	8.12	Rating **	M	Issue No.	83
LM End	8.59	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.156987 °	38.152919 °
				-121.587427 °	-121.591129 °
DWR ID	DWR_RD0563_01_f_2018_83				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 3.8 L					
Status: Eroding					
2017 Field Notes: Fresh toe erosion, significant undercutting and slumping.					
Site History: 1997 - Pockets of erosion into the levee at the water line. Alders are being undercut and rotating out into the channel. Damaged rock at upstream end. 2000 - New minor erosion. 2001 - Staked low fascine walls at bankline. 2002 - New "Brush Boxes" along the bank toe. 2003 - New erosion pockets in the middle of the site. 2005 - Some new bundles in the brush boxes. 2011 - Site upgraded to CRITICAL. Significant new erosion. Sites 3.6, 3.7, 3.71, and 4.0 were combined. 2012 - Rock has been placed in some of the erosion pockets since last year, however site remains critical. 2013 - Site no longer critical. The worst pockets were filled with rock by the local RD.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_83\_20181023\_00229.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	8.18	Rating **	U	Issue No.	767
LM End	8.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.156878 °	38.156945 °
				-121.588505 °	-121.589258 °
DWR ID	DWR_RD0563_01_s_2015_767				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dead dense vegetation blocking landside toe.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_767\_20180925\_00115.jpg



Looking south at the landside slope.

LM Start	8.64	Rating **	M	Issue No.	149
LM End	8.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.152447 °	38.152447 °
				-121.590355 °	-121.590355 °
DWR ID	DWR_RD0563_01_f_2018_149				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	9.20	Rating **	M	Issue No.	106
LM End	9.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.146167 °	38.145835 °
				-121.587483 °	-121.588532 °
DWR ID	DWR_RD0563_01_f_2013_106				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	9.36	Rating **	M	Issue No.	769
LM End	9.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.146276 °	38.147034 °
				-121.590189 °	-121.590907 °
DWR ID	DWR_RD0563_01_s_2015_769				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_769\_20180925\_00120.jpg



Looking east at dense vegetation at landward toe. (Spring 2015)

LM Start	9.64	Rating **	M	Issue No.	36
LM End	9.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.149790 °	38.149790 °
				-121.592788 °	-121.592788 °
DWR ID	DWR_RD0563_01_s_2012_36				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Vegetation blocking view of levee slope.					

No Photos

LM Start	9.65	Rating **	M	Issue No.	99
LM End	9.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.149905 °	38.149905 °
				-121.592910 °	-121.592910 °
DWR ID	DWR_RD0563_01_s_2013_99				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Finger erosion on landside shoulder and slope.					

Photo 1 of 2 : FA\_2018\_RD0563\_210\_99\_20180925\_00062.jpg



Looking west at minor erosion on landward shoulder and slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	9.65	Rating **	M	Issue No.	99 (cont)	
LM End	9.65	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.149905 °	38.149905 °	
				-121.592910 °	-121.592910 °	
DWR ID	DWR_RD0563_01_s_2013_99					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Finger erosion on landside shoulder and slope.						

Photo 2 of 2 : FA\_2018\_RD0563\_210\_99\_20180925\_00063.jpg



Looking north at minor erosion on landward shoulder and slope.

LM Start	9.73	Rating **	A/W	Issue No.	82
LM End	9.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.150820 °	38.150647 °
				-121.593650 °	-121.596858 °
DWR ID	DWR_RD0563_01_f_2018_82				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 2.5 L					
Status: Eroding					
2017 Field Notes: Head scarp observed.					
Site History: 1997 - Erosion pockets into the toe of the levee. 2001 - Staked low fascine walls at the bankline. 2004 - Numerous "Brush Boxes." 2005 - Some new bundles in the brush boxes. 2012 - Site extended downstream to account for new bank sloughing. 2013 - Some rock added to the upstream end by the local RD.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_82\_20181023\_00228.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0563 Tyler Island

Erosion in sandy levee should be repaired and site protected from future erosion.

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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	10.15	Rating **	M	Issue No.	160
LM End	10.27	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.147537°	38.145994°
				-121.599433°	-121.600581°
DWR ID	DWR_RD0563_01_f_2018_160				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 2.0 L					
Status: Eroding					
2017 Field Notes: Rock placed on levee for most of site in last years, but it is already failing, almost vertical bank.					
Site History: 1997 - Erosion pockets into the toe of the levee. 2001 - Staked low fascine walls at the bankline. 2004 - Numerous "Brush Boxes." 2005 - Some new bundles in the brush boxes. 2012 - Site extended downstream to account for new bank sloughing. 2013 - Some rock added to the upstream end by the local RD. 2016 - Quarry stone is starting to fail.					

No Photos

LM Start	10.45	Rating **	M	Issue No.	65
LM End	10.74	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.143519°	38.139918°
				-121.599677°	-121.596986°
DWR ID	DWR_RD0563_01_f_2018_65				
Comment Code					
Inspector Comment					
2017 Site ID: GEO 1.7 L Status: Eroding 2017 Field Notes: New rock placed in erosion pockets , site has improved with work done by RD, but still some erosion pockets and toe erosion. Slump failure with headscarp at downstream end. Site History: 1997 - Old damaged rock riprap along the toe. 1999 - Downstream end (400 ft) repaired with rock. 2002 - New rock/concrete rubble section on the downstream end. 2004 - Small pocket repairs at the downstream end. 2005 - Some new bundles in the brush boxes. 2012 - Some rock has been placed in last year.					

Photo 1 of 1 : FA\_2018\_RD0563\_210\_65\_20181023\_00111.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	10.59	Rating **	M	Issue No.	76
LM End	10.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.141940°	38.141940°
				-121.598033°	-121.598033°
DWR ID	DWR_RD0563_01_s_2012_76				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Deep depression on landside shoulder and slope; possible pipe collapse.					

Photo 1 of 4 : FA\_2018\_RD0563\_210\_76\_20180925\_00039.jpg



Looking northeast a depression on landside shoulder and slope above 10" irrigation pipe four feet below crown.

LM Start	<b>10.59</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>10.59</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : FA\_2018\_RD0563\_210\_76\_20180925\_00040.jpg



Looking east at water ponding at landside toe just above 10" irrigation pipe.

LM Start	<b>10.59</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>10.59</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : FA\_2018\_RD0563\_210\_76\_20180925\_00041.jpg



Looking west at depression on landside shoulder and slope from landside toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement





**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	11.01	Rating **	M	Issue No.	770 (cont)	
LM End	12.00	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.136623 °		38.130739 °
				-121.594216 °		-121.579678 °
DWR ID	DWR_RD0563_01_s_2015_770					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Dense veg (wildroses) at landside toe.						

LM Start	<b>11.01</b>	Rating **	M	Issue No.	<b>770 (cont)</b>
LM End	<b>12.00</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA\_2018\_RD0563\_210\_770\_20180925\_00122.jpg



Looking northeast at dead vines at landward toe. (Spring 2017)

Photo 3 of 3 : FA\_2018\_RD0563\_210\_770\_20180925\_00123.jpg



Looking southeast at dense vegetation at landward toe. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	11.56	Rating **	M	Issue No.	63
LM End	11.66	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.130544 °	38.129968 °
				-121.587607 °	-121.585981 °
DWR ID	DWR_RD0563_01_f_2018_63				
Comment Code					

Comment Code

Inspector Comment

2017 Site ID: GEO 0.3 L  
Status: Eroding  
2017 Field Notes: Site shortened. New rock placed on levee slope in erosion pockets.  
Site History: 1997 - Erosion pockets into the levee toe. 1999 - Some small pockets fixed with rock riprap. 2002 - New "brush boxes" along the bank toe. 2005 - Brush boxes are empty. Some pockets are filled with new stone. 2006 - Some new rock at the downstream end (~100 ft long). Several small pockets of new rock in scallops. Brush boxes in poor to fair condition. 2010 - Site looks a little worse, some toe rock but still has erosion scars at lower to mid slope. 2011 - Site upgraded to CRITICAL. Significant new erosion. Erosion scallops are vertical and almost the height of the levee. 2012 - Rock has been placed in some of the erosion scallops and therefore the site is no longer critical. 2013 - Site shortened site. The downstream half of site was repaired by RD. Pipe no longer in site limits.

Photo 1 of 1 : FA\_2018\_RD0563\_210\_63\_20181023\_00093.jpg



USACE 2013 Photo #1

LM Start	12.00	Rating **	A/W	Issue No.	806
LM End	12.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.130726 °	38.130726 °
				-121.579646 °	-121.579646 °
DWR ID	20172				
Comment Code					

Comment Code

Inspector Comment

FS\_ID:52771  
DS\_ID:20172  
EP\_NO: 11213  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 20-inch steel drainage pipe through the levee, 1 foot below the crown. Pump on the landside (LS). Siphon breaker on the waterside (WS) shoulder. (18-inch pipe [HLM 12.28] at a depth of 4-feet authorized under Automatic Board Order (ABO) issued as Permit No. 11213, 1975 - Reclamation District No. 563). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L"" 6+48.9)].  
FS Date: 7/13/2018

Photo 1 of 3 : UCIP\_FA\_2018\_52771\_24731.jpg



Pump and pipes off LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	12.00	Rating **	A/W	Issue No.	806 (cont)	
LM End	12.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.130726 °	38.130726 °	
				-121.579646 °	-121.579646 °	
DWR ID	20172					
Comment Code						
Inspector Comment						
FS_ID:52771						
DS_ID:20172						
EP_NO: 11213						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 20-inch steel drainage pipe through the levee, 1 foot below the crown. Pump on the landside (LS). Siphon breaker on the waterside (WS) shoulder. (18-inch pipe [HLM 12.28] at a depth of 4-feet authorized under Automatic Board Order (ABO) issued as Permit No. 11213, 1975 - Reclamation District No. 563). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 103, June 1954, (Station ""L "" 6+48.9)].						
FS Date: 7/13/2018						

LM Start	<b>12.00</b>	Rating **	A/W	Issue No.	<b>806 (cont)</b>
LM End	<b>12.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_52771\_24730.jpg



20-inch pipe on LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_52771\_24729.jpg



Pipe and siphon breaker on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 0563 Tyler Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	10/11/2018 10/11/2018	David Julian

LM Start	12.04	Rating **	M	Issue No.	47
LM End	12.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.130758 °	38.130758 °
				-121.579027 °	-121.579027 °
DWR ID	DWR_RD0563_01_s_2012_47				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree on landside slope.					

Photo 1 of 2 : FA\_2018\_RD0563\_210\_47\_20180925\_00019.jpg



Looking northeast at the landside slope.

LM Start	<b>12.04</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>12.04</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2018\_RD0563\_210\_47\_20180925\_00020.jpg



Looking northeast at untrimmed tree at landward slope. (Spring 2015)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement